

SPAWAR Systems Center,
San Diego fabricated this
1/48th scale brass model
of the traditional aft mast
used on the USS ARTHUR
W. RADFORD (DD 968), a
Spruance-class destroyer.
This aft mast is being
replaced by the Advanced
Enclosed Mast/Sensor
(AEM/S) System composite
mast on the RADFORD.

DD 968 Aft Mast Model

Tactical Air Navigation (TACAN)

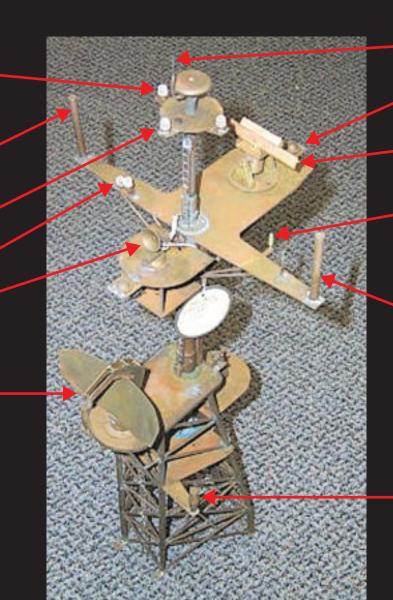
VHF/UHF Line of Sight Communication

Aircraft Warning Light

Homing Beacon Light

MK39 Gun-Fire Control Radar

AN/SPS-40 Long-Range 2-D Air Search Radar



Lightning Rod

UHF Satellite
Communication

Target Acquisition and Missile Point Defense

Identification, Friend or Foe (IFF)

VHF/UHF Line of Sight Communication

OUTBOARD Special Signal Exploitation System (SSES)



1/48th Scale Model Ship
The most useful tool for determining
the design, placement, and operational
characteristics of HF antenna systems
in a shipboard environment is a 1/48
scale model study.



Model Shop
A scale model study requires
building a scale model of the ship
from brass with a complete topside
configuration.



Antenna Test Range
The Antenna Test Range is used to
measure, evaluate, design, and
predict the performance of shipboard
antennas.